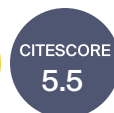




*energies*



an Open Access Journal by MDPI

## Latest Research of Turbomachinery and Gas Turbines

Guest Editors:

### **Dr. Weihao Zhang**

National Key Laboratory of  
Science and Technology on Aero-  
Engine Aero-Thermodynamics,  
School of Energy & Power  
Engineering, Beihang University,  
Beijing 100191, China

### **Dr. Yanfeng Zhang**

Institute of Engineering  
Thermophysics, Chinese  
Academy of Sciences, Beijing,  
China

Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### **Message from the Guest Editors**

Gas turbines are widely used in the aviation, navigation, and power fields. Continuously improving the efficiency and power of gas turbines has always been the goal pursued by researchers and is of great value to the industrial field. In recent years, with the continuous development of numerical simulation and experimental technology, we have deepened our understanding of the key issues of turbomachinery and gas turbines, promoting the continuous improvement of the design level of turbomachinery and gas turbines.

The purpose of this Special Issue is to focus on new progress in the fields of turbomachinery and gas turbines and to present the latest research achievements. The topics of this Special Issue include but are not limited to numerical simulation techniques, experimental techniques, flow mechanism and aerodynamic design of turbomachinery, heat transfer of turbine blades, secondary air systems, multidisciplinary coupling, etc. In addition, we look forward to more review articles presenting progress and challenges in advanced turbomachinery and gas turbines.



[mdpi.com/si/130896](https://mdpi.com/si/130896)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)